

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|------------------------------|---|------------------|---------|------------------|
| L1 | 56 | schwarzenthal-dietmar.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/20 19:10 |
| L2 | 1674 | valve same early same late | US-PGPUB; USPAT; USOCR | OR | ON | 2007/09/20 19:11 |
| L3 | 2404 | 123/90.15.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/09/20 19:11 |
| L4 | 4483 | 123/90.16,90.17,90.31.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/09/20 19:11 |
| L5 | 5602 | L3 or L4 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/09/20 19:11 |
| L6 | 201 | L5 and L2 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/09/20 19:11 |
| S1 | 0 | schwarzenthal-ditzingen.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:31 |
| S2 | 49 | schwarzenthal-dietmar.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/09/20 19:10 |
| S3 | 0 | schwarzenthal-dietmar-\$.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:35 |
| S4 | 1 | de-19608533-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:36 |
| S5 | 2 | gb-2246831-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:37 |
| S6 | 17 | "5361736" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:39 |

EAST Search History

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| S7 | 43 | "5398502" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:43 |
| S8 | 18 | "5427078" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:44 |
| S9 | 2 | jp-2000054847-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:45 |
| S10 | 2 | ep-317372-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:47 |
| S11 | 2 | de-19855984-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:48 |
| S12 | 1 | de-3901721-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:48 |
| S13 | 2 | de-19606054-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:49 |
| S14 | 1 | de-3876762-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:49 |
| S15 | 1 | de-69116877-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:50 |
| S16 | 1 | de-2029911-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:51 |
| S17 | 2 | de-19606054-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/18 18:51 |

EAST Search History

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| S18 | 58 | ("1757046" "4305352" "4498352" "4694789" "4747375" "4917058" "5024191" "5031595" "5105679" "5136887" "5237968" "5365908" "5398502" "5427078" "5495830" "5694912" "5724927").PN. OR ("5361736" "6055948").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:00 |
| S19 | 2188 | 123/90.15.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:00 |
| S20 | 4213 | 123/90.16,90.17,90.31.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:00 |
| S21 | 5250 | S19 or S20 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:00 |
| S22 | 1579 | valve same early same late | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:05 |
| S23 | 176 | S21 and S22 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:05 |
| S24 | 97 | S19 and S22 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:01 |
| S25 | 149 | valve near2 early same (valve near2 late) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/09/20 19:10 |
| S26 | 66 | S21 and S25 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:05 |
| S27 | 25 | S26 not S24 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/18 19:05 |
| S28 | 5 | (US-5361736-\$ or US-6502535-\$ or US-6055948-\$ or US-6484677-\$ or US-6453871-\$).did. | USPAT | OR | ON | 2007/02/20 14:47 |
| S29 | 3 | S28 and base | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/20 14:57 |
| S30 | 5 | S28 and cylinder | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/20 14:59 |

EAST Search History

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|-----|---|---|---|----|----|------------------|
| S31 | 5 | S28 and valve near2 (change or adjust\$4 or variable) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/20 15:00 |
| S32 | 1 | S28 and (bucket or tappet) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/20 15:01 |
| S33 | 3 | S28 and ignition | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/20 15:01 |
| S34 | 0 | S28 and firing | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/20 15:01 |